



# PUBLIC NOTICE

**File Number: NRS 14.283**

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Pursuant to Chapter 0400-40-07 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit (this also includes §401 Water Quality Certifications). This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

**APPLICANT:** Tennessee Gas Pipeline Company, LLC  
Gina Dorsey - Director, Environmental Permitting  
1001 Louisiana Avenue, Suite 1000  
Houston, TX 77002  
(713) 369 - 8975

**LOCATION:** 2577 Bearwallow Road, Ashland City, Cheatham County, TN  
Impact 1: S1 and W1: Latitude: 36.313245 Longitude: -86.982362  
Impact 2: S3: Latitude: 36.313103 Longitude: -86.979422  
Impact 3: S5 and W2: Latitude: 36.313614 Longitude: -86.978184  
Impact 4: S7 and W3: Latitude: 36.320375 Longitude: -86.967111  
Impact 5: S8: Latitude: 36.321842 Longitude: -86.965477

**PROJECT DESCRIPTION:** The applicant proposes to replace approximately 4,325 linear feet of existing natural gas pipelines, which will temporarily impact 5 unnamed tributaries to Blue Spring Creek (S1, S3, S5, S7 and S8) totaling approximately 387 linear feet and 3 wetlands (W1, W2 and W3) associated with S1, S5 and S7 totaling approximately .04 acres. The stream crossings will be accomplished by open-cut trench utilizing either a temporary dam and pump around or temporary flumes. Trench plugs will be placed on each side of the trench at the stream crossings. The wetlands will be crossed by open cut excavation with trench plugs placed on either side of the impacted area and will include topsoil segregation and replacement in order to preserve the natural seedbed. The impacted areas shall be returned to preconstruction conditions. The proposed activities will not require mitigation.

**DEGRADATION:** In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

**WATERSHED / WATERBODY DESCRIPTION:** The unnamed tributaries to Blue Spring Creek originate in primarily forested and agricultural lands. Blue Spring Creek is a tributary to Sycamore Creek which flows through primarily forested and agricultural lands and into Cheatham Reservoir downstream of Ashland City. The Cheatham Reservoir Watershed is

located in Middle Tennessee and includes parts of Cheatham, Davidson, Robertson, Rutherford, Sumner and Williamson counties. Cheatham Reservoir Watershed drains approximately 647 square miles. For more information on this watershed, please visit <http://www.state.tn.us/environment/water/watersheds/cheatham-lake.shtml>.

**Stream Name / ID #:** Unnamed tributary S-1 to Blue Spring Creek (TN05130202014\_0900)

**Ecoregion:** Western Highland Rim (71f)

**Stream Dimension:** Channel bottom width: approximately 1.0 – 1.5 feet  
Channel top width: approximately 1.0 – 1.5 feet  
Water depth: approximately 0.25 – 0.5 feet  
Bank height: approximately 0.5 – 1.0 feet

**Substrate:** Cobble, small gravel and sand.

| Designated Use                | Use Support      | Causes           |
|-------------------------------|------------------|------------------|
| Fish and aquatic life         | Fully Supporting | Escherichia coli |
| Recreation                    | Not Supporting   |                  |
| Irrigation                    | Fully Supporting |                  |
| Livestock watering & wildlife | Fully Supporting |                  |

**Assessment Date:** 2012

**Stream Name / ID #:** Unnamed tributary S-3 to Blue Spring Creek (TN05130202014\_0900)

**Ecoregion:** Western Highland Rim (71f)

**Stream Dimension:** Channel bottom width: approximately 3.0 – 8.0 feet  
Channel top width: approximately 3.0 – 8.0 feet  
Water depth: approximately 0.25 – 1.0 feet  
Bank height: approximately 0.5 – 3.0 feet

**Substrate:** Cobble, small gravel and sand.

| Designated Use                | Use Support      | Causes           |
|-------------------------------|------------------|------------------|
| Fish and aquatic life         | Fully Supporting | Escherichia coli |
| Recreation                    | Not Supporting   |                  |
| Irrigation                    | Fully Supporting |                  |
| Livestock watering & wildlife | Fully Supporting |                  |

**Assessment Date:** 2012

**Stream Name / ID #:** Unnamed tributary S-5 to Blue Spring Creek (TN05130202014\_0900)

**Ecoregion:** Western Highland Rim (71f)

**Stream Dimension:** Channel bottom width: approximately 6.0 – 9.0 feet  
Channel top width: approximately 6.0 – 9.0 feet  
Water depth: approximately 0.25 – 0.5 feet  
Bank height: approximately 0.5 – 1.0 feet

**Substrate:** Cobble, small gravel and sand.

| Designated Use                | Use Support      | Causes           |
|-------------------------------|------------------|------------------|
| Fish and aquatic life         | Fully Supporting | Escherichia coli |
| Recreation                    | Not Supporting   |                  |
| Irrigation                    | Fully Supporting |                  |
| Livestock watering & wildlife | Fully Supporting |                  |

**Assessment Date:** 2012

**Stream Name / ID #:** Unnamed tributary S-7 to Blue Spring Creek (TN05130202014\_0900)

**Ecoregion:** Western Highland Rim (71f)

**Stream Dimension:** Channel bottom width: approximately 2.5 – 5.0 feet  
Chanel top width: approximately 2.5 – 5.0 feet  
Water depth: approximately 0.25 – 1.0 feet  
Bank height: approximately 0.5 – 2.0 feet

**Substrate:** Cobble, small gravel and sand.

| Designated Use                | Use Support      | Causes           |
|-------------------------------|------------------|------------------|
| Fish and aquatic life         | Fully Supporting | Escherichia coli |
| Recreation                    | Not Supporting   |                  |
| Irrigation                    | Fully Supporting |                  |
| Livestock watering & wildlife | Fully Supporting |                  |

**Assessment Date:** 2012

**Stream Name / ID #:** Unnamed tributary S-8 to Blue Spring Creek (TN05130202014\_0900)

**Ecoregion:** Western Highland Rim (71f)

**Stream Dimension:** Channel bottom width: approximately 4.5 – 9.0 feet  
Chanel top width: approximately 4.5 – 9.0 feet  
Water depth: approximately 0.25 – 0.5 feet  
Bank height: approximately 0.5 – 1.0 feet

**Substrate:** Cobble, small gravel and sand.

| Designated Use                | Use Support      | Causes           |
|-------------------------------|------------------|------------------|
| Fish and aquatic life         | Fully Supporting | Escherichia coli |
| Recreation                    | Not Supporting   |                  |
| Irrigation                    | Fully Supporting |                  |
| Livestock watering & wildlife | Fully Supporting |                  |

**Assessment Date:** 2012

**PERMIT COORDINATOR:** Mark Jordan

**FACTORS CONSIDERED:** In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

**COMMENTING:** Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

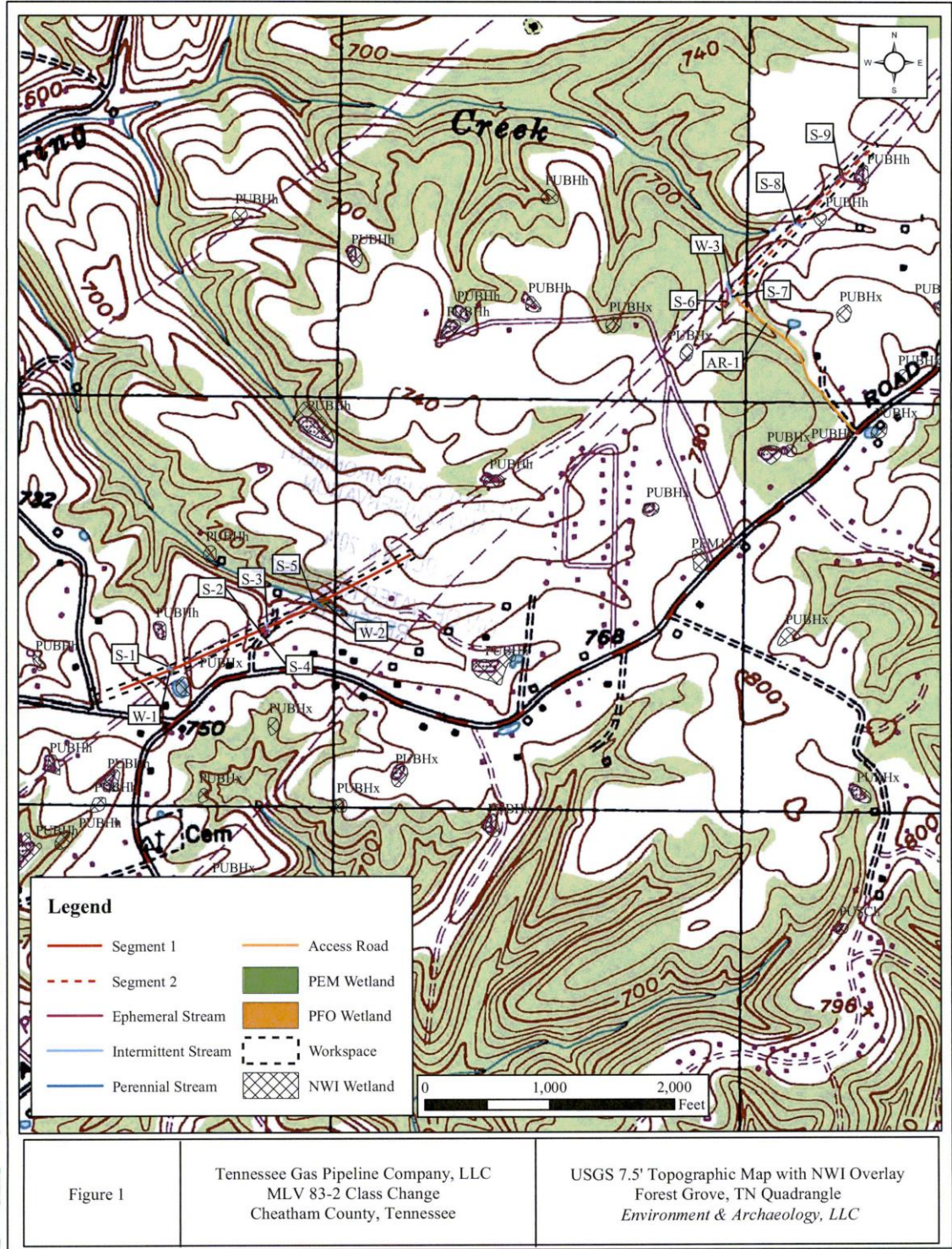
**PUBLIC HEARING:** Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

**APPEAL:** A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11<sup>th</sup> floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

**FILE REVIEW:** The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation  
Division of Water Resources, Natural Resources Unit  
ATTN: Mark Jordan  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243







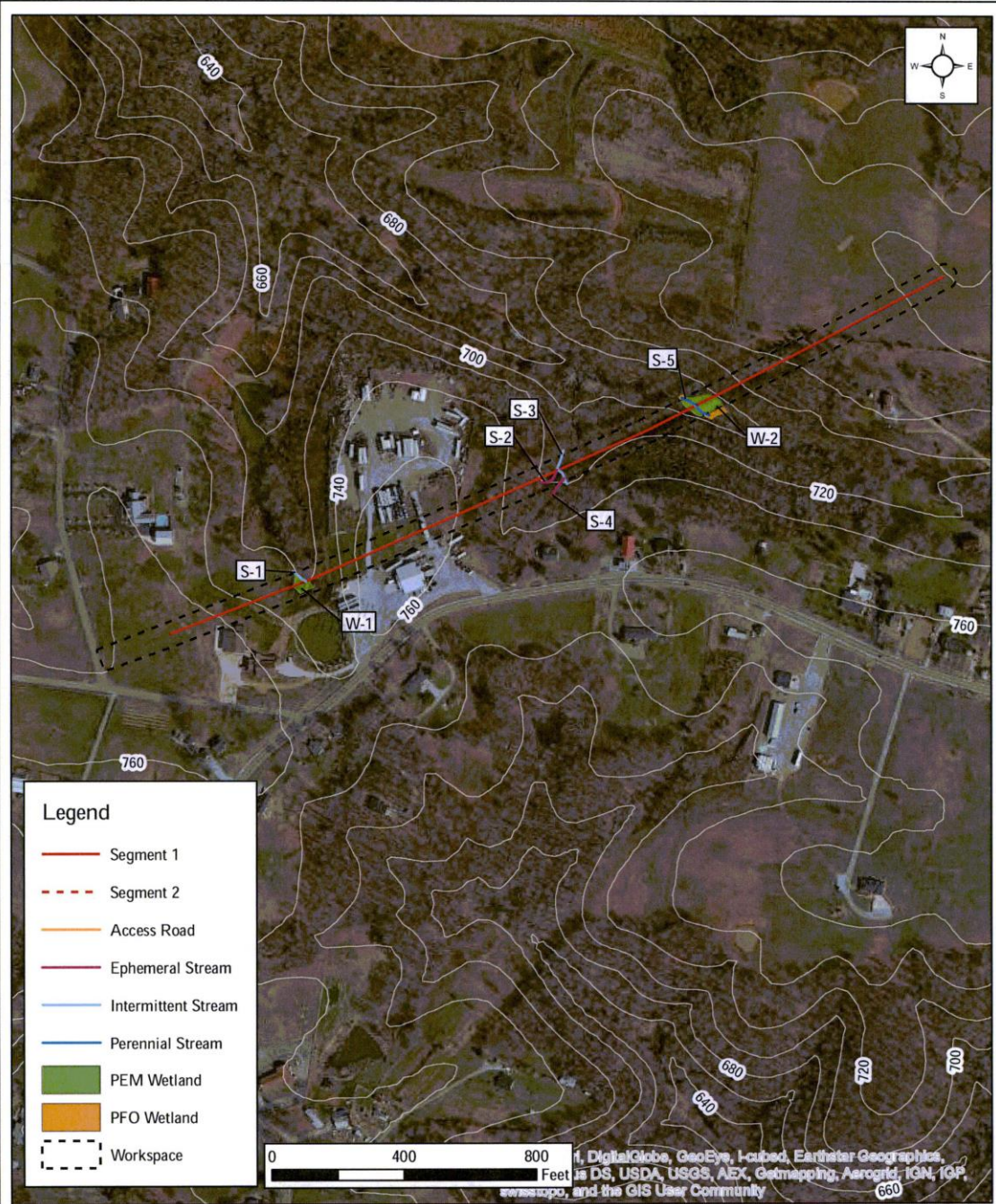


Figure 2a

Tennessee Gas Pipeline Company, LLC  
MLV 83-2 Class Change  
Cheatham County, Tennessee

Aerial Map  
Aerial Provided by ESRI Map Services  
Environment & Archaeology, LLC




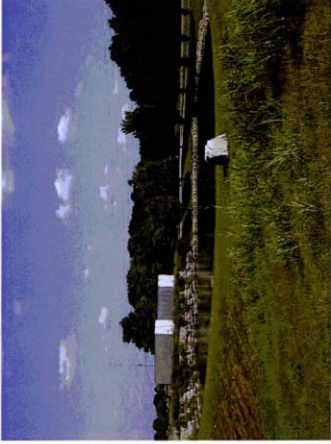




Figure 2b

Tennessee Gas Pipeline Company, LLC  
MLV 83-2 Class Change  
Cheatham County, Tennessee

Aerial Map  
Aerial Provided by ESRI Map Services  
Environment & Archaeology, LLC







|   |   |  |
|---|---|--|
|    |                                   |   |
| <p>Photo: #1 Direction: E Date: 8/21/2014<br/>Comments: Overview of the existing ROW to be used as access from Blue Springs Road.</p> | <p>Photo: #2 Direction: S Date: 8/21/2014<br/>Comments: Upstream view of intermittent Stream 1.</p>                 | <p>Photo: #3 Direction: S Date: 8/21/2014<br/>Comments: Overview of the pond above Stream 1 and palustrine emergent Wetland 1.</p> |
|   |                                  |    |
| <p>Photo: #4 Direction: E Date: 8/21/2014<br/>Comments: Overview of the existing ROW at the Stream 1/Wetland 1 complex.</p>           | <p>Photo: #5 Direction: W Date: 8/21/2014<br/>Comments: Overview of the Stream 1/Wetland 1 centerline crossing.</p> | <p>Photo: #6 Direction: NE Date: 8/21/2014<br/>Comments: Downstream view of ephemeral Stream 2 from the south edge of the ROW.</p> |

TN DEPT OF ENVIRONMENT  
AND CONSERVATION

Tennessee Gas Pipeline Company, LLC 2014 MLV 83-2 Class Change

OCT 08 2014  
DIV OF WATER RESOURCES  
RECEIVED



|   |  |  |
|---|--|--|
|    |                                    |                                       |
| <p>Photo: #7 Direction: N Date: 8/21/2014<br/>Comments: Overview of the downstream culvert inlet for intermittent Stream 3.</p> | <p>Photo: #8 Direction: SW Date: 8/21/2014<br/>Comments: Upstream view of ephemeral Stream 4 from Stream 3.</p>      | <p>Photo: #9 Direction: NE Date: 8/21/2014<br/>Comments: Downstream view of Stream 4.</p>                              |
|   |                                   |                                      |
| <p>Photo: #10 Direction: SW Date: 8/21/2014<br/>Comments: Upstream view of Stream 2 from Stream 3.</p>                          | <p>Photo: #11 Direction: N Date: 8/21/2014<br/>Comments: Downstream view of Stream 3 from the Stream confluence.</p> | <p>Photo: #12 Direction: S Date: 8/21/2014<br/>Comments: Upstream view of Stream 3 from the north edge of the ROW.</p> |

TN DEPT OF ENVIRONMENT  
AND CONSERVATION

Tennessee Gas Pipeline Company, LLC 2014 MLV 83-2 Class Change

OCT 08 2014

DIV OF WATER RESOURCES  
RECEIVED



|  |  |   |
|--|--|---|
|   |    |                                        |
| <p>Photo: #13    Direction: SE    Date: 8/21/2014<br/> Comments: Downstream view of perennial Stream 5, an unnamed tributary to Blue Spring Creek.</p> | <p>Photo: #14    Direction: NW    Date: 8/21/2014<br/> Comments: Upstream view of Stream 5 from the north edge of the ROW.</p> | <p>Photo: #15    Direction: W    Date: 8/21/2014<br/> Comments: Overview of palustrine emergent Wetland 2.</p>          |
|    |   |                                       |
| <p>Photo: #16    Direction: NE    Date: 8/21/2014<br/> Comments: Overview of the ROW from NE of Wetland 2.</p>   | <p>Photo: #17    Directions: S    Date: 8/21/2014<br/> Comments: Overview of palustrine emergent Wetland 3.</p>                | <p>Photo: #18    Direction: NNE    Date: 8/22/2014<br/> Comments: Downstream view of palustrine emergent Wetland 6.</p> |

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DIV OF WATER RESOURCES  
RECEIVED

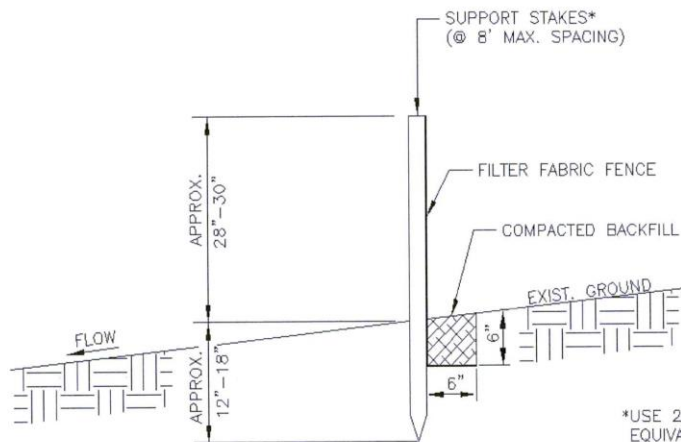
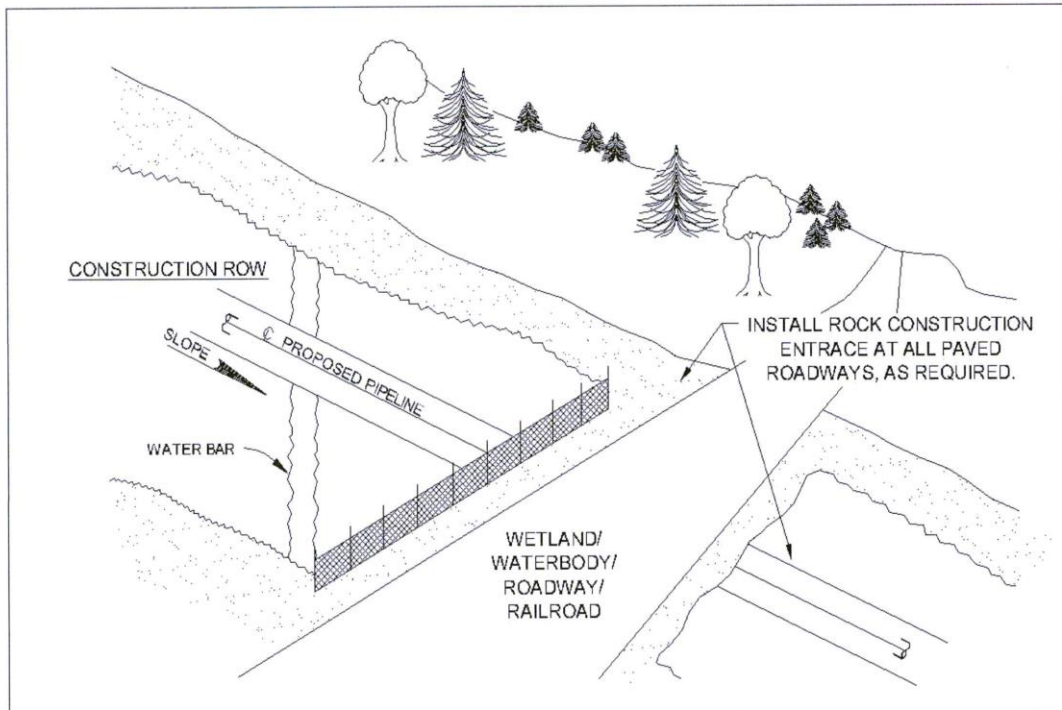


|  |   |  |
|--|---|--|
|   |   |   |
| <p>Photo: #19 Direction: N Date: 8/21/2014<br/>Comments: Upstream view of Stream 6 from the north edge of the ROW.</p>     | <p>Photo: #20 Direction: NE Date: 8/22/2014<br/>Comments: Overview of the ROW of Segment 2 as seen from the west end.</p> | <p>Photo: #21 Direction: SE Date: 8/21/2014<br/>Comments: Downstream view of intermittent Stream 7 from the south edge of the ROW.</p> |
|                                        |                                        |    |
| <p>Photo: #22 Direction: N Date: 8/21/2014<br/>Comments: Upstream view of the Stream 7 from the north edge of the ROW.</p> | <p>Photo: #23 Directions: SW Date: 8/22/2014<br/>Comments: Overview of Line 100-2 centerline from Spring Hollow Road.</p> | <p>Photo: #24 Direction: W Date: 8/22/2014<br/>Comments: Downstream view of intermittent Stream 8.</p>                                 |

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 Tennessee Gas Pipeline Company, LLC 2014 MLV 83-2 Class Change  
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|  |  |  |
|--|--|--|
|                         |    |                 |
| <p>Photo: #25    Direction: E    Date: 8/22/2014<br/>Comments: Upstream view of Stream 8.</p>              | <p>Photo: #26    Direction: NW    Date: 8/22/2014<br/>Comments: Upstream view of ephemeral Stream 9.</p>   | <p>Photo: #27    Direction: SE    Date: 8/22/2014<br/>Comments: Downstream view of Stream 9.</p> |
|                        | <p style="text-align: center;">             TN DEPT OF ENVIRONMENT<br/>             AND CONSERVATION<br/>             OCT 08 2014<br/>             DIV OF WATER RESOURCES<br/>             RECEIVED           </p> |  |
| <p>Photo: #28    Direction: SW    Date: 8/22/2014<br/>Comments: Overview of the ROW from the east end.</p> |  |  |





NOTES:

1. Silt fence must be left in place until vegetation has been established.
2. Filter fabric fence must be installed at existing level grade.
3. Sediment must be removed where accumulations reach 1/2 the above ground height of the fence.

\*USE 2"x2" WOOD OR EQUIVALENT STEEL STAKES

| ENG. RECORD         | DATE |
|---------------------|------|
| DRAWN BY:           |      |
| DRAWING APPROVAL    |      |
| PROJECT APPROVAL    |      |
| SURVEY DATE:        |      |
| SCALE:              |      |
| PROJECT ID:         |      |
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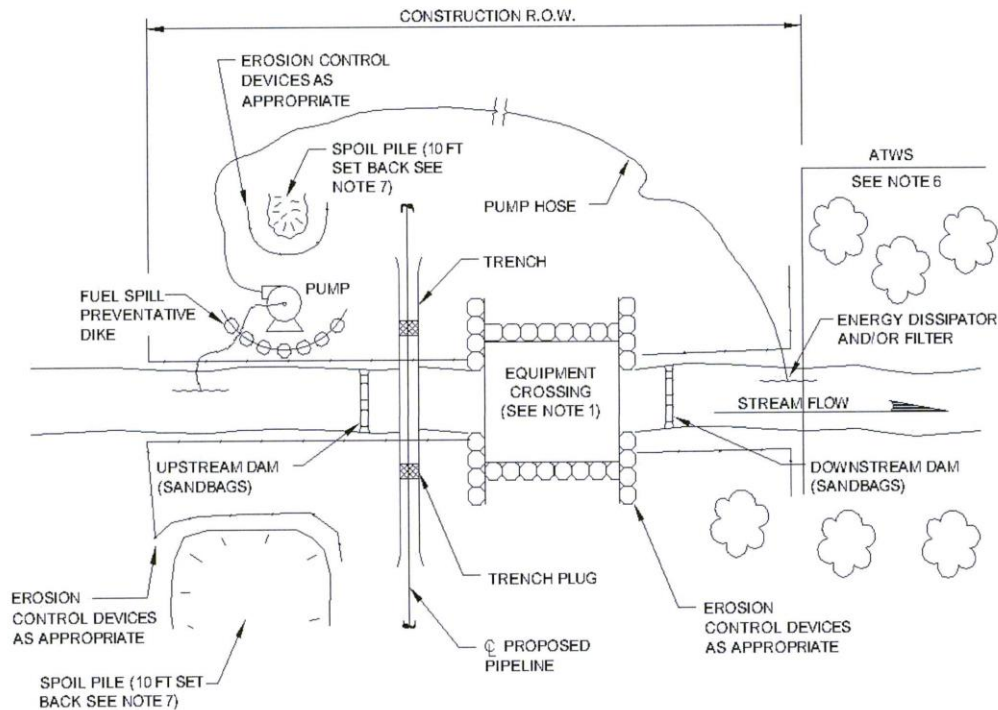
## TYPICAL SILT FENCE INSTALLATION

PLAN - 4

| NO        | DATE | BY | DESCRIPTION | PROJ. ID | APPR. |
|-----------|------|----|-------------|----------|-------|
| REVISIONS |      |    |             |          |       |

TGPLETTERPORTRAIT (Rev. 2/01)

DWG.  
NO.



**PLAN**  
NOT TO SCALE

**NOTES:**

1. EQUIPMENT CROSSINGS WILL BE SELECTED BASED UPON SITE SPECIFIC CONDITIONS (REFER TO PROC - 1 TO PROC - 4).
2. SET UP PUMP AND HOSE AS SHOWN, OR USE OTHER PRACTICAL ALTERNATIVES. PUMP SHOULD HAVE TWICE THE PUMPING CAPACITY OF ANTICIPATED FLOW.
3. CONTRACTOR TO ENSURE A SUFFICIENT NUMBER OF ACTIVE AND BACKUP PUMPS TO MAINTAIN THE CAPACITY OF THE STREAM FLOW AT ALL TIMES DURING INSTALLATION.
4. ALL INTAKE HOSES WILL BE SCREENED.
5. DISMANTLE DOWNSTREAM DAM, THEN UPSTREAM DAM. KEEP PUMP RUNNING TO MAINTAIN STREAM FLOW.
6. THE REQUIRED SET BACK FOR ATWS IS 50 FEET FROM TOP OF BANK UNLESS APPROVED OTHERWISE BY THE APPROPRIATE AGENCIES.
7. THE MINIMUM REQUIRED SETBACK FOR SPOIL PILE IS 10 FEET FROM THE TOP OF BANK.
8. STRAW BALES OR EQUIVALENT SEDIMENT BARRIERS WILL BE PLACED AT THE EDGE OF EQUIPMENT BRIDGE AT THE END OF THE WORK DAY TO PREVENT EROSION BUT WILL BE REMOVED DURING CONSTRUCTION ACTIVITY.

| ENG. RECORD         | DATE |
|---------------------|------|
| DRAWN BY:           |      |
| DRAWING APPROVAL    |      |
| PROJECT APPROVAL    |      |
| SURVEY DATE:        |      |
| SCALE:              |      |
| PROJECT ID:         |      |
| FILE NAME: 03687731 |      |

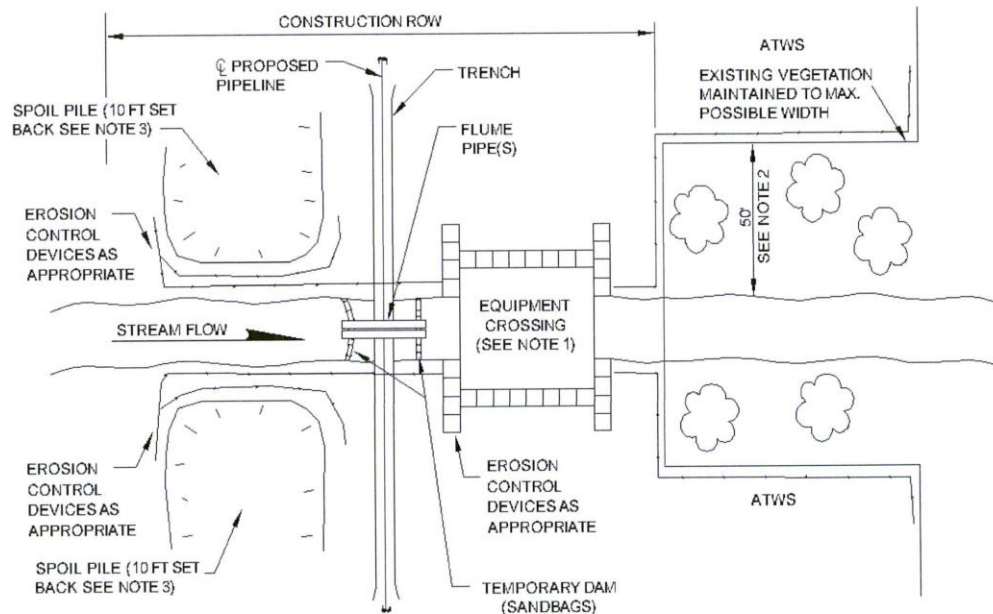
**TYPICAL  
DRY WATERBODY CROSSING  
(METHOD 2B, PUMP-AROUND)**

DWG.  
NO.

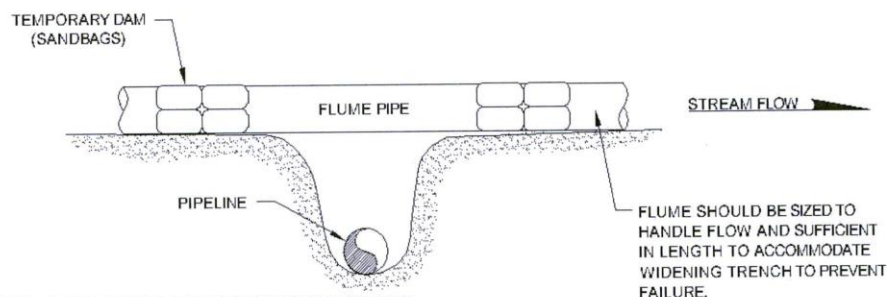
**PROC - 5**

| NO                            | DATE | BY | DESCRIPTION | PROJ. ID | APPR. |
|-------------------------------|------|----|-------------|----------|-------|
| REVISIONS                     |      |    |             |          |       |
| TGPLETTERPORTRAIT (Rev. 2/01) |      |    |             |          |       |





CROSS SECTION FOR TRENCH FLUMING



NOTE:

1. EQUIPMENT CROSSING WILL BE SELECTED BASED UPON SITE SPECIFIC CONDITIONS (REFER TO PROC - 1 TO PROC - 4).
2. THE REQUIRED SET BACK FOR ATWS IS 50 FEET FROM TOP OF BANK UNLESS APPROVED OTHERWISE BY THE APPROPRIATE AGENCIES.
3. THE MINIMUM REQUIRED SETBACK FOR SPOIL PILE IS 10 FEET FROM THE TOP OF BANK.
4. EQUIPMENT BRIDGE SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF FINAL RESTORATION.
5. STRAW BALES OR EQUIVALENT SEDIMENT BARRIERS WILL BE PLACED AT THE EDGE OF EQUIPMENT BRIDGE AT THE END OF THE WORKDAY DAY TO PREVENT EROSION BUT WILL BE REMOVED DURING CONSTRUCTION ACTIVITY.

| ENG. RECORD         | DATE |
|---------------------|------|
| DRAWN BY:           |      |
| DRAWING APPROVAL    |      |
| PROJECT APPROVAL    |      |
| SURVEY DATE:        |      |
| SCALE:              |      |
| PROJECT ID:         |      |
| FILE NAME: 03687730 |      |

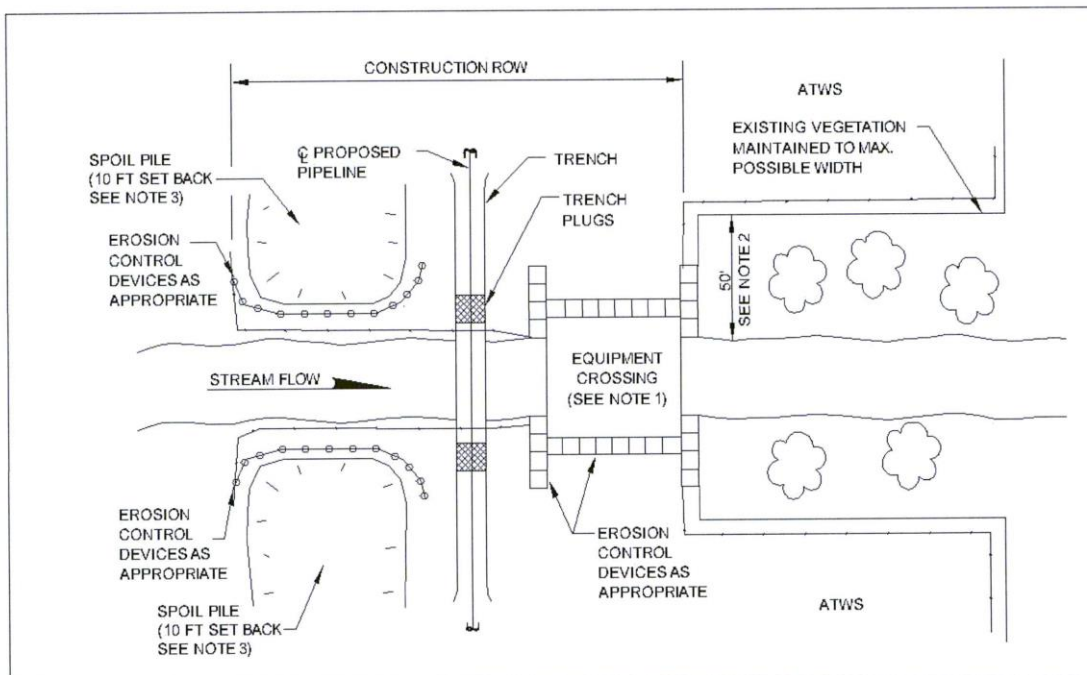
TYPICAL  
DRY WATERBODY CROSSING  
(METHOD 2A - FLUMED)

DWG.  
NO.

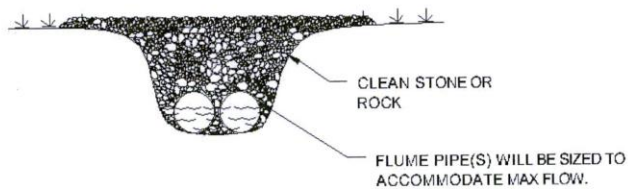
PROC - 6

| NO        | DATE | BY | DESCRIPTION | PROJ. ID | APPR. |
|-----------|------|----|-------------|----------|-------|
| REVISIONS |      |    |             |          |       |

TGPLETTERPORTRAIT (Rev. 2/01)



### CROSS SECTION FOR EQUIPMENT CROSSING



#### NOTE:

1. EQUIPMENT CROSSINGS WILL BE SELECTED BASED UPON SITE SPECIFIC CONDITIONS (REFER TO PROC - 1 TO PROC - 4).
2. THE REQUIRED SET BACK FOR ATWS IS 50 FEET FROM TOP OF BANK UNLESS APPROVED OTHERWISE BY THE APPROPRIATE AGENCIES.
3. THE MINIMUM REQUIRED SETBACK FOR SPOIL PILE IS 10 FEET FROM THE TOP OF BANK.
4. EQUIPMENT BRIDGE TO REMAIN IN PLACE UNTIL THE COMPLETION OF FINAL RESORATION.
5. STRAW BALES OR EQUIVALENT SEDIMENT BARRIERS WILL BE PLACED AT THE EDGE OF EQUIPMENT BRIDGE AT THE END OF THE WORK DAY TO PREVENT EROSION BUT WILL BE REMOVED DURING CONSTRUCTION ACTIVITY.

|                                 |      |      |             |  |       |  |
|---------------------------------|------|------|-------------|--|-------|--|
| ENG. RECORD                     |      | DATE |             | <p align="center"><b>TYPICAL<br/>WET WATERBODY<br/>CROSSING (METHOD 1)</b></p> <p align="center"><b>PROC - 8</b></p> |       |  |
| DRAWN BY:                       |      |      |             |  |       |  |
| DRAWING APPROVAL                |      |      |             |  |       |  |
| PROJECT APPROVAL                |      |      |             |  |       |  |
| SURVEY DATE:                    |      |      |             |  |       |  |
| SCALE:                          |      |      |             | <p>DWG. NO.</p>  |       |  |
| PROJECT ID:                     |      |      |             |  |       |  |
| FILE NAME: 03687740             |      |      |             |  |       |  |
| NO                              | DATE | BY   | DESCRIPTION | PROJ. ID   | APPR. |  |
| <p align="center">REVISIONS</p> |      |      |             |  |       |  |



